

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/010832 A1

(51) International Patent Classification⁷: G07F 7/10,
G06F 3/033

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/CH2003/000524

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(22) International Filing Date: 30 July 2003 (30.07.2003)

(25) Filing Language: English

(26) Publication Language: English

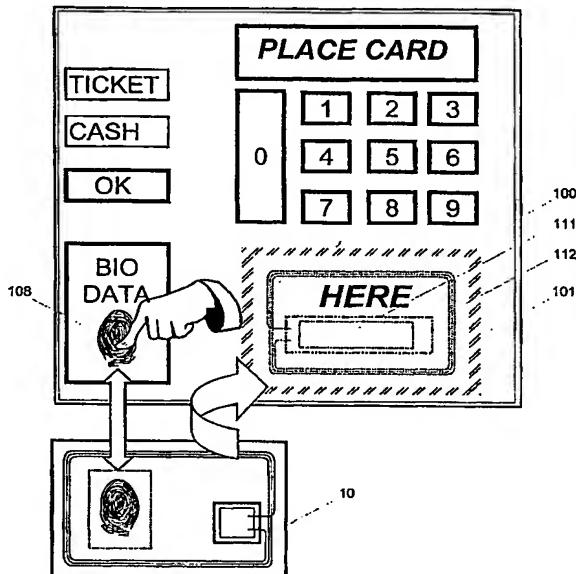
(71) Applicant (*for all designated States except US*): ASCOM AUTELCA AG [CH/CH]; Worbstrasse 201, CH-3073 Gümligen (CH).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TERMINAL WITH A TOUCH PANEL DISPLAY AND TOUCH PANEL DISPLAY



(57) Abstract: The inventive terminal (200), that may be realised in various embodiments, e.g. as access control terminal, pay telephone, point of sales terminal, ticket vending machine or automatic teller machine, comprises a touch panel display (100) and means for contactless communication with an IC-card (10) that is used to perform transactions requested by the holder of the IC-card (10). In order to allow communication between the IC-card (10) and the terminal (200), at least one antenna (112), designed to receive signals from and/or to send signals to the IC-card (10), is embedded in the touch panel display (100) so that the card reading and writing functionality is implemented in the touch panel display (100).

WO 2005/010832 A1